



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090922

Mode: Highway

Status: Submitted

US-13 (Berkeley Boulevard)

From/Cross Street: Central Heights Road/Royall Avenue

Specific Improvement Type: 10 - Improve Intersection

To:

Project Category: Regional Impact

Length: 0.5

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$1,395,000

Description:

Realignment of Central Heights Road at the intersection of Berkeley Boulevard and Royall Avenue

Division(s): Division 4

County(s): WAYNE

MPOS(s)/RPO(s): Goldsboro Urban Area MPO

Project Location



Statewide Mobility Total Score: 0

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|---|---------------------------------------|
| Totals: Weight: 0% Weighted Score: 0 | N/A | N/A |

Regional Impact Total Score: 72.16

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|---|---------------------------------------|
| Congestion (V/C) (15%) 58.65 | Percent: 15% Points: 100 | Percent: 15% Points: 100 |
| Safety (15%) 66.65 | | |
| Lane Width (10%) 0.00 | | |
| [Paved] Shoulder Width (10%) 100.00 | | |
| [Travel Time] Benefit/Cost (20%) 66.84 | | |
| Totals: Weight: 70% Weighted Score: 42.16 | | |

Division Needs Total Score: 54.21

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|---|---------------------------------------|
| Lane Width (10%) 0.00 | Percent: 25% Points: 0 | Percent: 25% Points: 100 |
| [Paved] Shoulder Width (10%) 100.00 | | |
| [Travel Time] Benefit/Cost (10%) 66.84 | | |
| Safety (10%) 66.65 | | |
| Congestion (V/C) (10%) 58.65 | | |
| Totals: Weight: 50% Weighted Score: 29.21 | | |

Project Data ***Existing Conditions**

| | |
|---|--|
| Existing Cross-Section: | |
| Speed Limit: | 55 |
| Length (miles): | 0.5 |
| Facility Type: | Freeway |
| Access Control: | Limited |
| Functional Classification: | Other Principal Arterial- Other Freeway |
| Terrain Type: | Level |
| Lane Width: | 12 |
| Paved Shoulder Width: | 4 |
| Roadway has Curb & Gutter? | No |
| Volume (AADT): | 40711.72 |
| Capacity: | 57654.54 |
| Volume/Capacity Ratio: | 0.71 |
| % Autos: | 93% |
| % Trucks: | 7% |
| Truck Volume: | 2826.56 |
| Crash Density: | 0 |
| Crash Severity: | 0 |
| Critical Crash Rate: | 0 |
| Crash Frequency: | 100 |
| Severity Index: | 33.3 |
| County Tier Designation: | 2 |
| Non-Interstate STRAHNET Route? | Yes |
| Average Commuting Time: | 14 |
| Existing Median Type (for Cost Estimation): | Divided |
| Pavement Condition Rating: | 97 |
| Actual Congested Speed: | 32.54 |
| Travel Time Index: | 1.38 |

Project Benefits

| | |
|--|--|
| Project Cross-Section: | |
| Speed Limit: | 55 |
| Length (miles): | 0.5 |
| Facility Type: | Arterial |
| Access Control: | None |
| Functional Classification: | Other Principal Arterial- Other Freeway |
| TerrainType: | Level |
| DOT Design Lane Width: | 12 |
| DOT Design Paved Shoulder Width: | 10 |
| Travel Time Savings for 30 Years (Total): | 4119000 |
| Travel Time Savings for 30 Years (Autos): | 3833023.72 |
| Travel Time Savings for 30 Years (Trucks): | 285976.28 |
| Long-Term Employment: | |
| % Change in Economy: | |
| Provides Direct Connection to Transportation Terminal? | No |
| Does project upgrade how the roadway functions? | No |
| In CTP or LRTP? | No |
| CTP/LRTP Name: | |
| CTP/LRTP Completion Year: | |
| Submitted by: | Division 4 |

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

| Division | Percent | Regional Impact | Division Needs |
|------------------------------|----------------|------------------------|-----------------------|
| Division 4 | 100% | 100 | 0 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL Division Points | | 100 | 0 |

MPO/RPO

| MPO/RPO | Percent | Regional Impact | Division Needs |
|-----------------------------|----------------|------------------------|-----------------------|
| Goldsboro Urban Area MPO | 100% | 100 | 100 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL MPO/RPO Points | | 100 | 100 |

Project Cost and Source

| | | |
|------------------------|--------------------|----------------------|
| Construction Cost: | \$1,125,000 | Cost Estimation Tool |
| Right-of-Way Cost: | \$270,000 | Cost Estimation Tool |
| Utilities Cost: | \$0 | Cost Estimation Tool |
| Total Project Cost: | \$1,395,000 | |
| Other Funding: | \$0 | None |
| Cost to NCDOT : | \$1,395,000 | |